Approvals & Disclaimer

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Chroma-Q reserves the right to change or make alteration to devices and their functionality without notice due to on-going research and development.

The Chroma-Q Color Block 2 Plus Nano has been designed specifically for the lighting industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

If you experience any difficulties with any Chroma-Q products please contact your selling dealer. If your selling dealer is unable to help please contact support@chroma-q.com. If the selling dealer is unable to satisfy your servicing needs, please contact the following for full factory service:

Outside North America:
Tel: +44 (0)1494 446000
Fax: +44 (0)1494 461024
support@chroma-q.com

North America:
Tel: +1 416-255-9494
Fax: +1 416-255-3514
support@chroma-q.com

For further information please visit the Chroma-Q website at www.chroma-com.

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Quick Start Guide
Chroma-Q®
Color Block 2 Plus Nano™

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BRILLIANT SOLUTIONS

For a full product manual please visit www.chroma-q.com

Software version 2.2

1. Overview

The **Chroma-Q® Color Block 2 Plus Nano™** is an ultra compact, low-profile and versatile single cell version of the Color Block 2 Plus™ fixture, which shares the unit's single colour RGBA optics, high light output and theatrical grade dimming to create an exceptional all-round feature set.
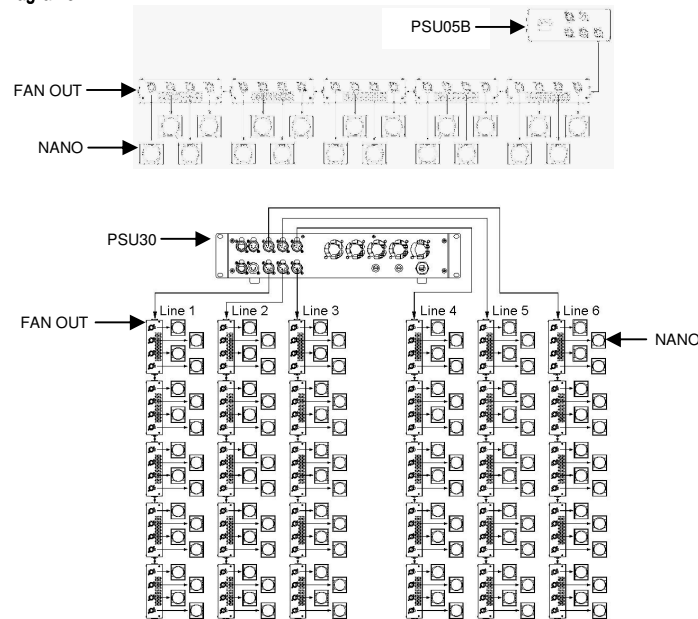
2. Safety

⚠
Caution

- This product is for professional use only. It is NOT intended for domestic or outdoor use.
- The bright flash of light during power-up and continuous strobe effect may cause epileptic seizure.
- This product must be used with safety cable.

3. Cabling

- PSU Power Input: PSU05B: IEC Power Cord; PSU30: Trailing Lead
- DMX Input control data from an external control console is through an XLR 5-pin cable
- Power and control data outputs from the Color Block power supply to the Color Block 2 Plus Nano Fan Out Box is through an XLR 4-pin cable. The drain wire should be connected to the chassis of the XLR.
- Power and control data outputs from the Color Block 2 Plus Nano Fan Out Box is through 4 x RJ45 connections. The total cable length from the Fan Out Box to a fixture must not exceed 3m/10ft.
- The total cable length of each chain must not exceed 60m/~200ft, and the cable for each adjacent unit must not exceed 20m.

System Diagrams:

4. Mounting

The Color Block 2 Plus Nano fixture is shipped with a yoke kit for mounting on the floor, wall and overhead applications. Secure the fixture with a safety bond.

5. Control

The Chroma-Q Color Block 2 Plus Nano is controlled via two models of addressable ANSI E1.11 USITT DMX512-A power supply units, the 5 way Color Block PSU05B and the 30 way Color Block PSU30.

Control Options:
- 3 channels x Hue, Saturation and Intensity (HSI)
- 3 channels x Red, Green and Blue with *Magic Amber (RGB)
- 4 channels x Red, Green, Blue with *Magic Amber and Intensity (RGBI)
- 4 channels x Red, Green, Blue and Amber

Grouping Options:
- "Single" assigns RGBA channels in a single fixture as individual channels
- "Block" assigns RGBA channels of 4 fixtures from 1 Fan Out Box as 1 group with 4 channels
- "All" assigns RGBA channels in all fixtures connected to a power supply as 1 group with 4 channels

Control Modes:

Mode	Group	Ch	PSU05B System: CB2	Ch	PSU30 System: CB2
1	Variable	67	7FX + 20 x HSI	367	7FX + 120 x HSI
2	Cell	60	20 x HSI	360	120 x HSI
3	Cell	60	20 x RGB (with *Magic Amber)	360	120 x RGB (with *Magic Amber)
4	Block	21	6FX + 5 x HSI	96	6FX + 30 x HSI
5	Block	15	5 x HSI	90	30 x HSI
6	Block	15	5 x RGB (with *Magic Amber)	90	30 x RGB (with *Magic Amber)
7	All	9	6FX + HSI	9	6FX + HSI
8	All	3	1 x HSI	3	HSI
9	All	3	1 x RGB (with *Magic Amber)	3	RGB (with *Magic Amber)
10	Cell	80	20 x RGBA	480	120 x RGBA
11	Cell	80	20 x RGBI (with *Magic Amber)	480	120 x RGBI (with *Magic Amber)
12	Block	20	5 x RGBA	120	30 x RGBA
13	Block	20	5 x RGBI (with *Magic Amber)	120	30 x RGBI (with *Magic Amber)
14	All	4	RGBA	4	RGBA
15	All	4	RGBI (with *Magic Amber)	4	RGBI (with *Magic Amber)
16	Any	1	Look Select	1	Look Select

Internal FX engine: Modes 1, 4, and 7 incorporate an internal FX engine with 7 variable parameters:

Mode 1	Mode 4/7	Effects	Description
Ch 1		Grouping	variable grouping facility to run FX between / within groups
Ch 2	Ch 1	Colour Speed	variable speed of colour scrolling
Ch 3	Ch 2	Colour Fan	variable fan of colour between / within groups
Ch 4	Ch 3	Colour Range	variable limit of spectrum range for colour scrolling
Ch 5	Ch 4	Colour Step	variable control of smoothness of colour scrolling
Ch 6	Ch 5	Intensity Effects	wide selection of intensity fading and snapping effect
Ch 7	Ch 6	Intensity Fan	variable fan of intensity effects

Note: All internal FX are referenced back to the group base HSI colour and intensity levels.

* Magic Amber is the term used for the unit's ability to bring in amber when mixing colors that require it with the use of only 3 control channels.

6. Further Information

Please refer to the Chroma-Q Color Block 2 Plus Nano manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – www.chroma-q.com – under Support.